

REMARKS

The present application includes claims 20-22. Claims 20-22 were rejected by the Examiner.

Claims 20-22 were rejected under 35 U.S.C. §103(a) as being unpatentable over Willis et al (U.S. Patent No. 6,385,647) in view of Schwed (U.S. Patent No. 5,606,668).

The Applicant first turns to Willis. The system of Willis relates to multicasting data using a satellite link and the Internet or a telephone connection (col. 3, lines 65-67 and col. 4, lines 1-4). In Willis, a user transmits data to a central site. The data is then transmitted through a satellite to ground stations (col. 4, lines 4-7). A gateway server is used to route messages with the satellite (col. 4, lines 26-48). Transmissions, other than acknowledgement, are unidirectional from the content source to the receiving facility on the other end of the satellite link (col. 10, lines 13-19).

Data from the content source is organized into IP datagrams (col. 10, lines 40-46). The datagrams are modified, encrypted, and multiplexed by the gateway for satellite transmission (col. 17, lines 24-46). Then a downlink gateway unencrypts and *assembles the data into IP packets* for transmission on a local area network to the destination (col. 10, lines 52-58; col. 11, lines 32-40; col. 17, lines 51-67 and col. 18, lines 1-8).

Therefore, Willis does not teach or suggest transmitting IP packets from a digital content server system through an extraterrestrial satellite to a remote IP compatible

network. This limitation is recited in independent claim 20. Conversely, Willis does not transmit entire IP packets but rather modifies and rearranges IP data for transmission, formatting the data into IP packets upon arrival at the destination. Willis also does not teach or suggest receiving IP packets at an integrated satellite receiver in communication with the remote IP compatible network and routing the IP packets from a routing processor system mounted within the integrated satellite receiver to a remote IP compatible receiving system in communication with the IP compatible network. This limitation is recited in claim 20. As discussed above, Willis does not transmit IP packets intact but rather specifically assembles the transmitted data into IP packets after transmission and before delivery to the destination computer. Consequently, the Applicant respectfully submits that Willis does not teach or suggest the limitations of the claimed invention.

The Applicant next turns to Shwed. The system of Shwed relates to a filter module for controlling network security (Abstract; col. 1, lines 8-12 and lines 59-61). Shwed specifies a set of security rules for network traffic (Abstract). The filter of Shwed may be used around a gateway coupling a router to a satellite (col. 3, lines 27-65).

The Shwed filter controls data flow among objects in a network (col. 4, lines 1-15). The filters operate on a set of instructions generated by a generator in the system administrator (col. 4, lines 16-42). The filters operate to control data flow between computers or groups of computers on the network (col. 4, lines 50-58). Access and

information flow may be restricted with the Shwed filter (col. 4, lines 58-67; col. 5, lines 22-56).

Thus, Shwed does not teach or suggest transmitting IP packets from a digital content server system through an extraterrestrial satellite to a remote IP compatible network. Shwed also does not teach or suggest receiving IP packets at an integrated satellite receiver in communication with the remote IP compatible network and routing the IP packets from a routing processor system mounted within the integrated satellite receiver to a remote IP compatible receiving system in communication with the IP compatible network. Furthermore, Shwed does not teach or suggest separately transmitting TCP/IP packets from the digital content server system through Internet infrastructure to the remote IP compatible receiving system. These limitations are recited in independent claim 20 of the present invention. Conversely, Shwed addresses security and access limitation and not the actual details of transmission. Shwed does not teach or suggest a novel departure from the prior art in transmitting IP packets ready for delivery to an IP compatible receiving system, such as that recited in claim 20 of the present invention. Thus, the Applicant respectfully submits that Shwed does not teach or suggest the limitations of the claimed invention.

Additionally, assuming that Willis and Shwed could be combined and continue to function, the combination would not teach or suggest the above limitations of claim 20 or its dependent claims. Neither Willis nor Shwed, taken alone or in combination, teaches or suggests transmitting and receiving IP packets via an extraterrestrial satellite. Willis

and/or Shwed does not teach or suggest receiving the IP packets at an integrated satellite receiver and routing the IP packets to a remote IP compatible receiving system and separately transmitting TCP/IP packets from the content server through Internet infrastructure to the remote IP compatible receiving system. These limitations are recited in claims 20-22 of the present invention. Rather, Willis and Shwed transmit IP data in modified and rearranged pieces over a satellite link to be assembled into IP packets by a gateway after satellite transmission and before transmission to a computer. The language and description of the references illustrates that they do not teach or suggest transmission of IP packets as recited by claims 20-22. Therefore, the Applicant respectfully submits that the claims of the present invention are allowable in view of the prior art.

CONCLUSION

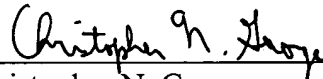
Consequently, it is respectfully submitted that claims 20-22 are in condition for allowance, and an action to this effect is respectfully requested.

If the Examiner has any questions or the Applicants can be of any assistance, the Examiner is invited and encouraged to contact the Applicants at the number below.

The Commissioner is authorized to charge any necessary fees or credit any overpayment to the Deposit Account of McAndrews, Held & Malloy, Account No. 13-0017.

Respectfully submitted,

Date: September 11, 2003



Christopher N. George
Reg. No. 51,728

MCANDREWS, HELD & MALLOY, LTD.
500 W. Madison Street
34th Floor
Chicago, IL 60661
Phone (312) 775-8000
Fax (312) 775-8100